

✓  
Please replace the Abstract with the following amended Abstract:

---

Communication System Receiver and Method for Concurrent Receiving of Multiple Channels

Abstract

AX  
A method and apparatus in a communication system provide for concurrent processings of signals at the different frequencies. A received signal is down converted in a RF/IF system (490) to produce on-channel and out-of-channel received samples (~~305, 306~~). The on-channel received samples (~~305~~) are processed in a back-end portion 499 to decode on-channel information. The out-of-channel received samples (~~306~~) are processed to determine at least one of a link quality and global positioning system originated information in the back-end portion 499. The processings of the on-channel received samples (~~305~~) and the out-of-channel received samples (~~306~~) are performed essentially at the same time by the receiver back-end (499).

---